



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/715,860	11/17/2000	Frank van Diggelen	GLBL/013	8961

26291 7590 12/07/2001

MOSER, PATTERSON & SHERIDAN L.L.P.  
595 SHREWSBURY AVE  
FIRST FLOOR  
SHREWSBURY, NJ 07702

[REDACTED] EXAMINER

BLUM, THEODORE M

ART UNIT	PAPER NUMBER
3662	6

DATE MAILED: 12/07/2001

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No. 09/715860	Applicant(s) VAN DIGGELEN
Examiner T. BLUM	Group Art Unit 3662

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE —3— MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication .
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

### Status

- Responsive to communication(s) filed on \_\_\_\_\_.
- This action is FINAL.
- Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 1 1; 453 O.G. 213.

### Disposition of Claims

- Claim(s) 1-35 is/are pending in the application.
- Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- Claim(s) \_\_\_\_\_ is/are allowed.
- Claim(s) 1-35 is/are rejected.
- Claim(s) \_\_\_\_\_ is/are objected to.
- Claim(s) \_\_\_\_\_ are subject to restriction or election requirement.

### Application Papers

- See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- The proposed drawing correction, filed on \_\_\_\_\_ is  approved  disapproved.
- The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- The specification is objected to by the Examiner.
- The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. § 119 (a)-(d)

- Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
  - All
  - Some\*
  - Noneof the CERTIFIED copies of the priority documents have been received.
- received in Application No. (Series Code/Serial Number) \_\_\_\_\_.
- received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_.

### Attachment(s)

- Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_
- Interview Summary, PTO-413
- Notice of Reference(s) Cited, PTO-892
- Notice of Informal Patent Application, PTO-152
- Notice of Draftsperson's Patent Drawing Review, PTO-948
- Other \_\_\_\_\_

## Office Action Summary

The declaration filed March 21, 2001 is acknowledged.

Claims 1-27, and 33-35, are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As to claims 1, 17, and 33, "pseudoranges that estimate the range of the GPS receiver" is indefinite.

✓ As to claim 1, "calculating position and time of a GPS receiver" is indefinite.

✓ As to claim 17, "calculating the absolute time of a GPS receiver" is indefinite.

✓ As to claim 33, "computing the position and time for a GPS receiver" is indefinite.

Claims 2-16, 18-27, 34, and 35, depend from a rejected antecedent claim.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 1-35 are rejected under 35 U.S.C. 102(e) as being anticipated  
✓ by Krasner (6,133,874).

Krasner teaches the claimed method and structure for calculating position and time of a GPS receiver including: computing the position of the receiving platform using pseudoranges , timing and ephemeris data (column 1, lines 39-64, column 9, lines 14-37, column 16, line 37 to column 17, line 10).

Claims 1-35 are rejected under 35 U.S.C. 102(e) as being anticipated  
✓ by Krasner (6,150, 980).

Krasner teaches the claimed method and structure for calculating position and time of a GPS receiver including: computing the position of the receiving platform using pseudoranges , timing and ephemeris data (column 3, lines 51-67, column 5, lines 31-40, column 10, lines 51-67, and column 13, line 63 to column 14, line 30).

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –  
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

✓ Claims 1-35 are rejected under 35 U.S.C. 102(b) as being anticipated by King et al.

King et al teaches the claimed method and structure for calculating position and time of a GPS receiver including: computing the position of the receiving platform using pseudoranges , timing and ephemeris data (column 4, lines 37-49 and column 8, lines 50-58).

Claims 1-35 are rejected under 35 U.S.C. 102(b) as being anticipated by Murphy et al.

✓ Murphy et al teaches the claimed method and structure for calculating position and time of a GPS receiver including: computing the position of the receiving platform using pseudoranges , timing and ephemeris data (Abstract and column 6, lines 30-37).

Any inquiry concerning this communication should be directed to  
Theodore Blum at telephone number 305-1833.

\*\*\*

*Theodore M. Blum*  
THEODORE M. BLUM  
PRIMARY EXAMINER